

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|--|------------------|---------|---------------------|
| L1    | 22374 | phillips.as.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:08 |
| L2    | 529   | arq.ti.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:08 |
| L3    | 1     | I1 and L2  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:08 |
| L4    | 28    | arq and 370/318.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:09 |
| L5    | 27    | (uplink or reverse) and arq and<br>370/318.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:10 |
| L6    | 0     | (gain near4 factor) and (status<br>or ack or nack) and (pilot or<br>control) and (uplink or reverse)<br>and arq and 370/318.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:12 |
| L7    | 16    | (gain or factor) and (status or<br>ack or nack) and (pilot or<br>control) and (uplink or reverse)<br>and arq and 370/318.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:12 |
| L8    | 13    | (power near control) and (gain<br>or factor) and (status or ack or<br>nack) and (pilot or control) and<br>(uplink or reverse) and arq and<br>370/318.ccls.                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:13 |
| L9    | 11    | (similar or constant) and (power<br>near control) and (gain or factor)<br>and (status or ack or nack) and<br>(pilot or control) and (uplink or<br>reverse) and arq and 370/318.<br>ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:15 |
| L11   | 69    | (similar or constant) and (power<br>near control) and (gain or factor)<br>and (status or ack or nack) and<br>(pilot or control) and (uplink or<br>reverse) and arq and 455/522.<br>ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:16 |
| L12   | 22    | (similar or constant) and (power<br>near control) and (gain or factor)<br>and (status or ack or nack) and<br>(pilot or control) and (uplink or<br>reverse) and arq and 714/748.<br>ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/10/07<br>12:16 |

|     |      |  |                                    |    |    |                  |
|-----|------|--|------------------------------------|----|----|------------------|
| L13 | 10   | ("5898740"   "5926747"   "6018544"   "6285886"   "6427072"   "6490461"   "6571103"   "6587672"   "6738640").PN. OR ("7110786").URPN.                                     | US-PGPUB; USPAT; USOCR             | OR | ON | 2008/10/07 12:19 |
| L14 | 48   | (similar or constant) and (power near control) and (gain or factor) and (status or ack or nack) and (pilot or control) and (uplink or reverse) and arq and 455/69. ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/10/07 12:21 |
| L15 | 5    | (similar or constant) and (power near control) and ((gain or factor) and (status or ack or nack) and (pilot or control) and (uplink or reverse) and arq) clm.            | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/10/07 12:23 |
| L16 | 31   | arq and (mousley near2 timothy).in.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/10/07 12:25 |
| L17 | 1    | (gain near factor) and arq and (mousley near2 timothy).in.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/10/07 12:27 |
| S1  | 3535 | 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 10:15 |
| S2  | 1269 | pilot and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/05/02 08:27 |
| S3  | 192  | status and pilot and 455/522,69. ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 10:37 |
| S4  | 314  | (ack or nack or status) and pilot and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 10:46 |
| S5  | 224  | (increas\$3 near3 power) and (ack or nack or status) and pilot and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:15 |
| S6  | 55   | (period same (increas\$3 near3 power)) and (ack or nack or status) and pilot and 455/522,69. ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:19 |
| S7  | 24   | (period same (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:22 |
| S8  | 17   | (closed near1 loop) and (period same (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:24 |
| S9  | 24   | (closed near1 loop) and (period same (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and "455"/\$.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:25 |

|     |     |   |                                    |    |    |                  |
|-----|-----|---|------------------------------------|----|----|------------------|
| S10 | 42  | (closed near1 loop) and (period same (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and "370"/\$.ccls.             | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:32 |
| S11 | 1   | arq and (closed near1 loop) and (period same (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and "370"/\$.ccls.     | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:32 |
| S12 | 2   | arq and (period same (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and "370"/\$.ccls.                             | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:33 |
| S13 | 2   | arq and (period same (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and "455"/\$.ccls.                             | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:34 |
| S14 | 22  | arq and (period and (increas\$3 near3 power)) and ( (ack or nack or status) same pilot) and "455"/\$.ccls.                              | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:38 |
| S15 | 3   | arq and ( (increas\$3 near3 power) same (uplink near2 control)) and ( (ack or nack or status) same pilot) and "455"/\$.ccls.            | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:39 |
| S16 | 4   | arq and ( (increas\$3 near3 power) same ((uplink near2 control) or dpcch)) and ( (ack or nack or status) same pilot) and "455"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:40 |
| S17 | 22  | arq and ( (increas\$3 near3 power) same ((uplink near2 control) or dpcch)) and ( (ack or nack or status) ) and "455"/\$.ccls.           | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:43 |
| S18 | 40  | arq and ( (increas\$3 near3 power) same ((uplink near2 control) or dpcch)) and ( (ack or nack or status) )                              | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:48 |
| S19 | 5   | "2003005382"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:51 |
| S20 | 5   | "2003005382".pn.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:52 |
| S21 | 373 | (chen near1 tao)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:52 |
| S22 | 252 | power and (chen near1 tao)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:52 |

|     |     |   |                                    |    |    |                  |
|-----|-----|---|------------------------------------|----|----|------------------|
| S23 | 163 | packet and power and (chen near1 tao)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:53 |
| S24 | 132 | packet and (power near1 control) and (chen near1 tao)                               | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:53 |
| S29 | 3   | "2002101835"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:26 |
| S30 | 0   | "2002101835".ap.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:26 |
| S31 | 3   | "02101835"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:26 |
| S32 | 33  | (gerakoulis near2 diakoumis).in.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:31 |
| S33 | 9   | power and (gerakoulis near2 diakoumis).in.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:27 |
| S34 | 1   | ("98026619")  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:32 |
| S37 | 2   | (june near1 "1998") and (ericsson).as.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:33 |
| S39 | 80  | "6167255"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/28 09:19 |
| S40 | 167 | (ack or nack) and pilot and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/05/01 14:57 |
| S41 | 315 | (ack or nack or status) and pilot and 455/522,69.ccls.                              | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/05/01 14:58 |
| S42 | 224 | (increas\$4 near3 power) and (ack or nack or status) and pilot and 455/522,69.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/05/01 14:58 |
| S43 | 2   | "9826619"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/26 14:19 |
| S44 | 192 | arq and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/27 13:28 |
| S45 | 137 | (incre\$7 near5 power) and arq and 455/522,69.ccls.                                 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 10:58 |
| S46 | 41  | (closed near2 loop) and (incre\$7 near5 power) and arq and 455/522,69.ccls.         | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/27 13:35 |

|     |     |  |                                    |    |    |                  |
|-----|-----|--|------------------------------------|----|----|------------------|
| S47 | 7   | (two near3 (uplink near3 (control \$4 near1 channels))) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/27 13:35 |
| S48 | 14  | ("5056109"   "5487180"   "5732077"   "5802465"   "5806003"   "6167248"   "6167273"   "6175744"   "6310868"   "6356759"   "6385184"   "6449463"   "6498785"   "6956840").PN. OR ("7089028").URPN. | US-PGPUB; USPAT; USOCR             | OR | ON | 2007/07/27 13:39 |
| S49 | 5   | ("4910504"   "5056109"   "6330462").PN. OR ("6856813").URPN.   | US-PGPUB; USPAT; USOCR             | OR | ON | 2007/07/27 13:46 |
| S50 | 6   | "510260".ap.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 11:57 |
| S55 | 7   | (packet near1 switching) and cdma and (gerakoulis near2 diakoumis).in.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 13:40 |
| S62 | 4   | satellite-cellular and (wang near2 eric).in.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 13:44 |
| S73 | 2   | (acknowledged near6 ((higher or increas\$4) near (power near1 level))) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 13:49 |
| S74 | 22  | (acknowledg\$6 near6 ((higher or increas\$4) near (power near1 level))) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:17 |
| S75 | 225 | ((inner near1 loop) or closed near1 loop) near3 (power near2 control)) and ((higher or increas \$4) near (power near1 level)) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:18 |
| S76 | 326 | ((inner near1 loop) or closed near1 loop) near2 (power near2 control)) and ((higher or increas \$4) near3 (power near1 level)) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:19 |
| S77 | 77  | ((inner near1 loop) ) near2 (power near2 control)) and ((higher or increas\$4) near3 (power near1 level)) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:19 |
| S78 | 8   | acknowledg\$5 and (((inner near1 loop) ) near2 (power near2 control)) and ((higher or increas\$4) near3 (power near1 level)) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:23 |
| S79 | 35  | acknowledg\$5 and (((inner near1 loop) ) near2 (power near2 control)) and ((higher or increas\$4) near3 (power near1 level))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:26 |

|     |     |  |                                    |    |    |                  |
|-----|-----|--|------------------------------------|----|----|------------------|
| S80 | 251 | acknowledg\$5 and (((closed near1 loop) ) near2 (power near2 control)) and ((higher or increas\$4) near3 (power near1 level))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:28 |
| S81 | 17  | acknowledg\$5 and (((closed near1 loop) ) near2 (power near2 control)) and (ms near4 ((higher or increas\$4) near3 (power near1 level))) )   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:52 |
| S82 | 33  | acknowledg\$5 and (((closed near1 loop) ) near2 (power near2 control)) and (ms near10 ((higher or increas\$4) near3 (power near1 level))) )  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 15:05 |
| S83 | 25  | (data same acknowledg\$5) and (((closed near1 loop) ) near2 (power near2 control)) and (ms near10 ((higher or increas\$4) near3 (power near1 level))) )                            | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 10:58 |
| S84 | 19  | (data near10 acknowledg\$5) and (((closed near1 loop) ) near2 (power near2 control)) and (ms near10 ((higher or increas\$4) near3 (power near1 level))) )                          | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 15:15 |
| S85 | 19  | (data near10 acknowledg\$5) and (((closed near1 loop) ) near2 (power near2 control)) and ((amount or level) same (ms near10 ((higher or increas\$4) near3 (power near1 level)))) ) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 15:16 |
| S86 | 2   | "7092670".pn.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 08:13 |
| S87 | 2   | "7092670"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 08:13 |
| S88 | 9   | "056849"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 08:13 |
| S89 | 24  | (data same acknowledg\$5) and (((closed neloop) ) near2 (power near2 control)) and (ms near10 ((higher or increas\$4) near3 (power near1 level))) )                                | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 11:05 |
| S90 | 35  | (number near4 (repetitions or retransmi\$5 or ack or nack or acknowledgment)) and (incre\$7 near5 power) and arq and 455/522,69.cccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 11:07 |
| S91 | 318 | (data same acknowledg\$5) and (((closed neloop) ) near2 (power near2 control))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31 11:06 |

|      |      |  |                                    |    |    |                     |
|------|------|--|------------------------------------|----|----|---------------------|
| S92  | 89   | (data same acknowledg\$5) and (((closed neloop ) near2 (power near2 control)) and 455/522,69. ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>11:07 |
| S93  | 46   | (number near4 (repetitions or retransmi\$5 or ack or nack or acknowledgment)) and arq and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>11:18 |
| S94  | 14   | (number near4 arq ) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>11:32 |
| S95  | 307  | ((increas\$4 and decreas\$4 ) same power) and (predetermined near3 period) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:21 |
| S96  | 59   | ((start or end or begining or final) same ((increas\$4 and decreas\$4 ) same power) and (predetermined near3 period)) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>12:56 |
| S97  | 1637 | ((start or end or begining or final) same (power) (acknowledgment or ((non or negative) near3 acknowledgment)) same ((increas\$4 or decreas\$4 ) same power)) and 455/522,69.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:11 |
| S98  | 7977 | "79.0"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:11 |
| S99  | 206  | ((ACKNOWLEDGMENT OR ACK) OR ((NON OR NEGATIVE) NEAR1 ACKNOWLEDGMENT )) near19 power ) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:23 |
| S100 | 176  | ((ACKNOWLEDGMENT OR ACK) OR ((NON OR NEGATIVE) NEAR1 ACKNOWLEDGMENT )) near10 power ) and 455/522,69.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:25 |
| S101 | 164  | ((ACKNOWLEDGMENT OR ACK) OR ((NON OR NEGATIVE) NEAR1 ACKNOWLEDGMENT )) near7 power ) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:26 |
| S102 | 11   | ((ACKNOWLEDGMENT OR ACK) OR ((NON OR NEGATIVE) NEAR1 ACKNOWLEDGMENT )) near7 (depend\$4 near7 power )) and 455/522,69.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:30 |
| S106 | 1    | ((ACKNOWLEDGMENT OR ACK) and ((NON OR NEGATIVE) NEAR1 ACKNOWLEDGMENT )) near17 (differ\$4 near17 power ))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:33 |
| S107 | 1    | (( ((NON OR NEGATIVE) NEAR1 ACKNOWLEDGMENT )) near17 (differ\$4 near17 power ))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/31<br>13:33 |

|      |      |   |  |    |    |                     |
|------|------|---|--|----|----|---------------------|
| S108 | 75   | ( ((ack or ACKNOWLEDGMENT ))<br>near17 (differ\$4 near17 power )) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2007/07/31<br>13:34 |
| S109 | 6    | "510260".ap.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/10/07<br>11:26 |
| S110 | 2883 | arq and "370"/\$.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/10/07<br>11:45 |
| S111 | 529  | arq.ti.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2008/10/07<br>11:46 |

10/7/08 12:28:11 PM  
H:\EAST\Workspaces\10510260.wsp